We claim:

1. A heat transfer element comprising a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5%-1.0 %,

the heat transfer medium is positioned on a substrate.

2. A heat transfer element according to claim 1, wherein the weight percentages in the heat transfer product are:

(1) Cobaltic Oxide (Co_2O_3), 0.7-0.8 %;

(2) Boron Oxide (B_2O_3), 1.4-1.6 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.4-1.6 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 14.0-16.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 56.0-64.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 14.0-16.0 %;

(7) Beryllium Oxide (BeO), 0.07-0.08 %;

(8) Titanium Diboride (TiB_2), 0.7-0.8 %;

(9) Potassium Peroxide (K_2O_2), 0.07-0.08 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 7.0-8.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.7-0.8 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.7-0.8 %.

3. A heat transfer element according to claim 1, wherein the weight percentages in the heat transfer medium product are:

(1) Cobaltic Oxide (Co_2O_3), 0.723 %;

(2) Boron Oxide (B_2O_3), 1.4472 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.4472 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 14.472 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 57.888 %;

Sodium Dichromate ($Na_2Cr_2O_7$), 14.472 %;

Beryllium Oxide (BeO), 0.0723 %;

(8) Titanium Diboride (TiB_2), 0.723 %;

(9) Potassium Peroxide (K_2O_2), 0.0723 %;

(10) (10) A selected metal or Ammonium Dichromate (MCr_2O_7), 7.23 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.723 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.723 %.

4. A heat transfer element according to claim 1, wherein the heat transfer element is a heating element.

5. A heat transfer element according to claim 1, wherein the heat transfer element is a heat-dissipating element.

6. A heat transfer element according to according to claim 1, wherein the heat transfer element is a heat exchange element.

7. A heat transfer element for use in heating of electronic or electric equipments which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

8. A heat transfer element according to claim 7, wherein the heat transfer element is the heating element of a steam washing machine.

9. A heat transfer element according to claim 7, wherein the heat transfer element is the heating element of a heating system of a drying machine.

10. A heat transfer element according to claim 7, wherein the heat transfer element is a heating radiator.

11. A heat transfer element according to claim 7, wherein the heat transfer element is the heating element of a heater.

12. A heat transfer element according to claim 7, wherein the heat transfer element is the heating element of a fan oven.

13. A heat transfer element for use in heating of daily necessities which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

14. A heat transfer element according to claim 13, wherein the heat transfer element is the heating element of an electric water heater.

15. A heat transfer element according to claim 13, wherein the heat transfer element is the heating element of a radiator.

16. A heat transfer element according to claim 13, wherein the heat transfer element is the heating element of an electric heater.

17. A heat transfer element according to claim 13, wherein the heat transfer element is the heating element of a kettle.

18. A heat transfer element according to claim 13, wherein the heat transfer element is the heating element of a Chinese hot pot.

19. A heat transfer element according to claim 13, wherein the heat transfer element is the heating element of a grill.

20. A heat transfer element according to claim 13, wherein the heat transfer element is the heating element of an electric iron.

21. A heat transfer element according to claim 13, wherein the heat transfer element is the heating element of a high performance dual-mode water boiler.

22. A heat transfer element for use in heating of a mechanical processing apparatus which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

23. A heat transfer element according to claim 22, wherein the heat transfer element is the heating element of a heat transfer rate injection molding screw rod.

24. A heat transfer element for use in heat recovery systems which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

25. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate air pre-heater.

26. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate air pre-heater in a coke furnace.

27. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an integrated inorganic high heat transfer air pre-heater in a blast furnace.

28. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate horizontal blast air pre-heater in a chemical fertilizer manufacturing system.

29. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate horizontal blast air pre-heater in a chemical fertilizer manufacturing system with a steam-water separator.

30. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an inorganic high heat transfer rate up and down-route gas horizontal symmetric afterheat boiler.

31. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an inorganic high heat transfer rate up and down-route gas horizontal symmetric afterheat boiler with a steam-water separator.

32. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate vertical eccentric blast afterheat boiler in a chemical fertilizer manufacturing system.

33. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate vertical blast

eccentric afterheat boiler in a chemical fertilizer manufacturing system with a steam-water separator.

34. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate symmetrical blast afterheat boiler in a chemical fertilizer manufacturing system.

35. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate vertical blast symmetrical afterheat boiler in a chemical fertilizer manufacturing system with a steam-water separator.

36. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an inorganic high heat transfer rate up and down-route gas vertical eccentric afterheat boiler.

37. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an inorganic high heat transfer rate up and down-route gas vertical eccentric afterheat boiler with a steam-water separator.

38. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an inorganic high heat transfer rate up and down-route gas vertical symmetrical afterheat boiler.

39. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an afterheat boiler in the glass kiln.

40. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate steam generator in the cement kiln.

41. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate water heating system in the cement kiln.

42. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate air dryer and heater in a ceramic kiln.

43. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an afterheat boiler in the ship.

44. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a car exhaust heater.

45. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate seawater distiller for oceangoing vessels.

46. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an inorganic high heat transfer rate up and down-route gas vertical symmetrical afterheat boiler (with steam-water separator).

47. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate horizontal afterheat boiler.

48. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate eccentric afterheat boiler.

49. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate symmetrical afterheat boiler.

50. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate electric boiler air pre-heater.

51. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate power plant boiler fuel heating system.

52. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate power plant boiler water heating system.

53. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an afterheat water heater.

54. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an air pre-heater.

55. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a dual gas heater.

56. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an afterheat boiler of the rotary kiln in magnesium plants.

57. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an afterheat boiler of the reduction furnace in magnesium plants.

58. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of the afterheat boiler of a sintering machine.

59. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of the afterheat boiler of a coupling casting machine.

60. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a heat recovery device for casting billet.

61. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a heat recovery device for oil-firing industrial furnaces.

62. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a steam generator for oil-firing industrial furnaces.

63. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a heat recovery device for gas-firing industrial furnaces.

64. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an afterheat steam generator for gas-firing industrial furnaces.

65. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an energy cycling system in a dryer.

66. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a heat recovery apparatus used in restaurants.

67. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate air pre-heater of the propane de-asphalt furnace.

68. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate air pre-heater of the molecular screen de-wax carrier furnace.

69. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate blast air pre-heater in a chemical fertilizer manufacturing system.

70. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an integrated high heat transfer air pre-heater in a platinum-resetting heater.

71. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an air pre-heater of heat transfer Arene device constant depressurizing carrier furnace.

72. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a heat recovery device on the continuous casting billet cold table of a continuous casting machine in the steel plant.

73. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an air pre-heater in a glass kiln.

74. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate air pre-heater installed on the top of a crude heater.

75. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate air pre-heater of a steam instilling boiler.

76. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate water pre-heater of a steam instilling boiler.

77. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an afterheat boiler in a heating furnace.

78. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a gas sensible heat device using a coke furnace lift pipe with an high heat transfer element.

79. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a heat transfer anti-dew-point corrosion air pre-heater.

80. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a soft water boiler.

81. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate bridge double channel afterheat recovery device.

82. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a vortex scroll heat exchanger.

83. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate air-air/air-liquid combined heat exchanger.

84. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate afterheat processing apparatus in synthetic ammonia making technique.

85. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a sulfur trioxide heat exchanger.

86. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a total counter flow high heat transfer heat exchanger.

87. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of a high heat transfer rate heat recovery apparatus in dry coke technique.

88. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an integrated high heat transfer air pre-heater in a furfural refiner.

89. A heat transfer element according to claim 24, wherein the heat transfer element is the heating element of an integrated high heat transfer joint air pre-heater in a heating furnace with constant depressurizing device in refinery.

90. A heat transfer element for use in heating of energy collecting systems which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

91. A heat transfer element according to claim 90, wherein the heat transfer element is the heating element of a solar water heater.

92. A heat transfer element according to claim 90, wherein the heat transfer element is the heating element of a solar hot blast tool.

93. A heat transfer element according to claim 90, wherein the heat transfer element is the heating element of a solar energy collector tube.

94. A heat transfer element according to claim 90, wherein the heat transfer element is the heating element of a solar energy collector in plate form.

95. A heat transfer element according to claim 90, wherein the heat transfer element is the heating element of a geothermal collecting equipment.

96. A heat transfer element according to claim 90, wherein the heat transfer element is the heating element of a geothermal steam boiler.

97. A heat transfer element according to claim 90, wherein the heat transfer element is the heating element of a geothermal water temperature exchanger.

98. A heat transfer element according to claim 90, wherein the heat transfer element is the heating element of a geothermal water-air heater.

99. A heat transfer element according to claim 90, wherein the heat transfer element is the heating element of a high heat transfer rate geothermal power generating system.

100. A heat transfer element according to claim 90, wherein the heat transfer element is the heating element of a high heat transfer low temperature geothermal heating system.

101. A heat transfer element according to claim 90, wherein the heat transfer element is the heating element of a high heat transfer rate solar energy collecting building heating system.

102. A heat transfer element according to claim 90, wherein the heat transfer element is the heating element of a high heat transfer rate solar water heater to be installed on the balcony.

103. A heat transfer element according to claim 90, wherein the heat transfer element is the heating element of a high heat transfer rate plate form solar water heater.

104. A heat transfer element according to claim 90, wherein the heat transfer element is the heating element of a heat transfer medium heat reservoir.

105. A heat transfer element according to claim 90, wherein the heat transfer element is the heating element of a high heat transfer rate solar energy collector plate.

106. A heat transfer element for use in heating of electronic or electric equipments which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

107. A heat transfer element according to claim 106, wherein the heat transfer element is the heating element of a high heat transfer rate electric boiler air heater.

108. A heat transfer element according to claim 106, wherein the heat transfer element is the heating element of an electrothermal high heat transfer rate heating reactor.

109. A heat transfer element according to claim 106, wherein the heat transfer element is the heating element of a steam l high heat transfer rate heating reactor.

110. A heat transfer element according to claim 106, wherein the heat transfer element is the heating element of a homogeneous temperature distribution epitaxial furnace.

111. A heat transfer element according to claim 106, wherein the heat transfer element is the heating element of an electrothermal water heating system.

112. A heat transfer element according to claim 106, wherein the heat transfer element is the heating element of a high heat transfer rate thermal sealer for plastic package.

113. A heat transfer element according to claim 106, wherein the heat transfer element is the heating element of a high heat transfer rate gas-firing boiler.

114. A heat transfer element according to claim 106, wherein the heat transfer element is the heating element of a high heat transfer rate gas-firing water heater.

115. A heat transfer element for use in heating of civil engineering facilities and structures which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

116. A heat transfer element according to claim 115, wherein the heat transfer element is the heating element of a pavement heating system.

117. A heat transfer element according to claim 115, wherein the heat transfer element is the heating element of an airport runway heating system.

118. A heat transfer element according to claim 115, wherein the heat transfer element is the heating element of a solar energy pool heating system.

119. A heat transfer element according to claim 115, wherein the heat transfer element is the heating element of a cul-de-sac heater.

120. A heat transfer element for use in heating of drying apparatus which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

121. A heat transfer element according to claim 120, wherein the heat transfer element is the heating element of an electric dryer.

122. A heat transfer element according to claim 120, wherein the heat transfer element is the heating element of an oil-firing hot air furnace.

123. A heat transfer element according to claim 120, wherein the heat transfer element is the heating element of a gas-firing hot air furnace.

124. A heat transfer element according to claim 120, wherein the heat transfer element is the heating element of a coal-firing hot air furnace.

125. A heat transfer element according to claim 120, wherein the heat transfer element is the heating element of a paper dryer.

126. A heat transfer element according to claim 120, wherein the heat transfer element is the heating element of a pencil wood drying apparatus.

127. A heat transfer element according to claim 120, wherein the heat transfer element is the heating element of a timber dryer.

128. A heat transfer element according to claim 120, wherein the heat transfer element is the heating element of a spraying dryer.

129. A heat transfer element according to claim 120, wherein the heat transfer element is the heating element of a turret dryer.

130. A heat transfer element according to claim 120, wherein the heat transfer element is the heating element of a hot blast dryer.

131. A heat transfer element for use in heating of chemical engineering apparatus which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

132. A heat transfer element according to claim 131, wherein the heat transfer element is the heating element of a crude oil heater.

133. A heat transfer element according to claim 131, wherein the heat transfer element is the heating element of an oil reservoir heater.

134. A heat transfer element according to claim 131, wherein the heat transfer element is the heating element of a crude heater of oil tank at the entrance of the oil well.

135. A heat transfer element according to claim 131, wherein the heat transfer element is the heating element of a crude oil heater of onboard oil can.

136. A heat transfer element according to claim 131, wherein the heat transfer element is the heating element of a vehicle oil tank heater.

137. A heat transfer element according to claim 131, wherein the heat transfer element is the heating element of an inner heat exchange heater at the entrance of the oil well.

138. A heat transfer element according to claim 131, wherein the heat transfer element is the heating element of electric-thermal crude oil heating apparatus.

139. A heat transfer element according to claim 131, wherein the heat transfer element is the heating element of an endothermic chemical reactor.

140. A heat transfer element according to claim 131, wherein the heat transfer element is the heating element of a thermostatic bathtub.

141. A heat transfer element according to claim 131, wherein the heat transfer element is the heating element of a crude oil heating furnace for oil pipes.

142. A heat transfer element according to claim 131, wherein the heat transfer element is the heating element of an endothermic chemical reactor vessel.

143. A heat transfer element according to claim 131, wherein the heat transfer element is the heating element of a crude oil heater for heavy oil reservoirs.

144. A heat transfer element for use in agriculture & fishery which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

145. A heat transfer element according to claim 144, wherein the heat transfer element is the heat-dissipating element of a heat-dissipating apparatus preventing spontaneous ignition and heating.

146. A heat transfer element for use in computers and peripherals which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

147. A heat transfer element according to claim 146, wherein the heat transfer element is the serpentine-shape heat-dissipating element of CPU coolers for desktop computers.

148. A heat transfer element according to claim 146, wherein the heat transfer element is the plate heat-dissipating element of CPU coolers for desktop computers.

149. A heat transfer element according to claim 146, wherein the heat transfer element is the external heat-dissipating element of CPU coolers for desktop computers.

150. A heat transfer element according to claim 146, wherein the heat transfer element is the heat-dissipating element of the plate CPU cooler of laptop computer under the keyboard.

151. A heat transfer element according to claim 146, wherein the heat transfer element is the heat-dissipating element of the plate CPU cooler of laptop computer behind the LCD display.

152. A heat transfer element according to claim 146, wherein the heat transfer element is the heat-dissipating element of an IC cooler.

153. A heat transfer element according to claim 146, wherein the heat transfer element is the heat-dissipating element of a semiconductor cooler.

154. A heat transfer element according to claim 146, wherein the heat transfer element is the heat-dissipating element of an IC carrying cooler for laptop computer CPU.

155. A heat transfer element according to claim 146, wherein the heat transfer element is the heat-dissipating element of the plate CPU cooling apparatus of laptop computer in the keyboard.

156. A heat transfer element according to claim 146, wherein the heat transfer element is the heat-dissipating element of a chipset-cooling device.

157. A heat transfer element according to claim 146, wherein the heat transfer element is the heat-dissipating element of an EMI-reducing cooling device.

158. A heat transfer element for use in heat dissipation in electronic or electric equipments which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

159. A heat transfer element according to claim 158, wherein the heat transfer element is the heat-dissipating element of a top-mounted sealed radiator for electronic controllers.

160. A heat transfer element according to claim 158, wherein the heat transfer element is the heat-dissipating element of a wall-mounted sealed radiator for electronic controllers.

161. A heat transfer element according to claim 158, wherein the heat transfer element is the heat-dissipating element of an embedded sealed radiator for electronic controllers.

162. A heat transfer element according to claim 158, wherein the heat transfer element is the heat-dissipating element of a sealed radiator for industrial displays.

163. A heat transfer element according to claim 158, wherein the heat transfer element is the heat-dissipating element of a sealed cooler for television sets.

164. A heat transfer element according to claim 158, wherein the heat transfer element is the heat-dissipating element of a silicon-controlled device radiator.

165. A heat transfer element according to claim 158, wherein the heat transfer element is the heat-dissipating element of a radiator for thyristers.

166. A heat transfer element according to claim 158, wherein the heat transfer element is the heat-dissipating element of a compressed intermediate stage cooler.

167. A heat transfer element according to claim 158, wherein the heat transfer element is the heat-dissipating element of a large power cooler of the silicon controlled device in an explosion-proof casing.

168. A heat transfer element according to claim 158, wherein the heat transfer element is the heat-dissipating element of a cooler for power modules.

169. A heat transfer element according to claim 158, wherein the heat transfer element is the heat-dissipating element of a radiator for storage battery.

170. A heat transfer element according to claim 158, wherein the heat transfer element is the heat-dissipating element of a thermoelectric cooler.

171. A heat transfer element according to claim 158, wherein the heat transfer element is the heat-dissipating element of a refrigerator radiator.

172. A heat transfer element according to claim 158, wherein the heat transfer element is the heat-dissipating element of a projector heat dissipating system.

173. A heat transfer element according to claim 158, wherein the heat transfer element is the heat-dissipating element of a cooling plate radiator.

174. A heat transfer element according to claim 158, wherein the heat transfer element is the heat-dissipating element of a scanner cooling system.

175. A heat transfer element according to claim 158, wherein the heat transfer element is the heat-dissipating element of a waste heat air conditioning system.

176. A heat transfer element for use in heat dissipation in medical treatment apparatus which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

177. A heat transfer element according to claim 176, wherein the heat transfer element is the heat-dissipating element of an anti-dozing cold hat.

178. A heat transfer element according to claim 176, wherein the heat transfer element is the heat-dissipating element of a thermoelectric cooling beauty device.

179. A heat transfer element for use in heat dissipation in daily necessities which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

180. A heat transfer element according to claim 179, wherein the heat transfer element is the heat-dissipating element of a drink cooling stick.

181. A heat transfer element according to claim 179, wherein the heat transfer element is the heat-dissipating element of a cooling cup.

182. A heat transfer element according to claim 179, wherein the heat transfer element is the heat-dissipating element of a lamp radiator.

183. A heat transfer element according to claim 179, wherein the heat transfer element is the heat-dissipating element of a food container.

184. A heat transfer element according to claim 179, wherein the heat transfer element is the heat-dissipating element of a thermoelectric cooling food container.

185. A heat transfer element according to claim 179, wherein the heat transfer element is the heat-dissipating element of a drink cooler.

186. A heat transfer element for use in heat dissipation in mechanical processing apparatus which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

187. A heat transfer element according to claim 186, wherein the heat transfer element is a machine center guiding track.

188. A heat transfer element according to claim 186, wherein the heat transfer element is a machine center main pivot.

189. A heat transfer element according to claim 186, wherein the heat transfer element is a drill.

190. A heat transfer element according to claim 186, wherein the heat transfer element is a cutting tool.

191. A heat transfer element according to claim 186, wherein the heat transfer element is the heating element of an injection mold.

192. A heat transfer element according to claim 186, wherein the heat transfer element is a high-polymer extruding machine screw.

193. A heat transfer element according to claim 186, wherein the heat transfer element is a mining drill.

194. A heat transfer element for use in heat dissipation in an audio-visual equipment which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

195. A heat transfer element according to claim 194, wherein the heat transfer element is the heat-dissipating element of a sound reproducing output system.

196. A heat transfer element according to claim 195, wherein the heat transfer element is the heat-dissipating element of an output system.

197. A heat transfer element according to claim 196, wherein the heat transfer element comes in a segment or plate type.

198. A heat transfer element according to claim 195, wherein the heat transfer element is the heat-dissipating element of a transistor in a power amplifier of a sound reproducing system.

199. A heat transfer element according to claim 198, wherein the heat transfer element comes in a tube or plate type.

200. A heat transfer element for use in heat dissipation in electric mechanical equipments which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

201. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of an exhaust stream condenser of a power plant boiler.

202. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a transformer radiator.

203. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a magnetic core of a transformer.

204. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a heat dissipating system of an electrical apparatus.

205. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a tri-phase asynchronous velocity adjustable motor.

206. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of an intensive magnetic oil cooler.

207. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of an X-ray machine cooler.

208. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a heat dissipating system of a motor radiator.

209. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a hydraulic oil radiator of a hydraulic system.

210. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a heat dissipating system of a transmission shaft system.

211. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a cooler for the pivot of machines.

212. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element in welding for part assembly.

213. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a cooling system of a pump.

214. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of an electrothermal reactor cooling system.

215. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a steam reactor cooling system.

216. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a high-current off-phase close bus air-cooler.

217. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a cooling system of heavy machine linkage parts.

218. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a radiator of the heavy machine braking system.

219. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a cooling system of a diesel engine.

220. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a bearing cooling system.

221. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a cooling system of a turbo charger.

222. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a cooling system of a gasoline engine.

223. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a cooler for car radiators.

224. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a heat absorber and dissipater of energy storage.

225. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a stirring type heat dissipitating device.

226. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of a pressurized gas water cooler.

227. A heat transfer element according to claim 200, wherein the heat transfer element is the heating element of a heat intake.

228. A heat transfer element according to claim 200, wherein the heat transfer element is the heat-dissipating element of an amorphous material preparation apparatus.

229. A heat transfer element for use in heat dissipation in civil engineering facilities and structures which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

230. A heat transfer element according to claim 229, wherein the heat transfer element is a furnace arc hanger of a boiler.

231. A heat transfer element for use in heat dissipation in chemical engineering apparatus which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

232. A heat transfer element according to claim 231, wherein the heat transfer element is the heat-dissipating element of an oil tank cooler.

233. A heat transfer element according to claim 231, wherein the heat transfer element is the heat-dissipating element of a plate radiator.

234. A heat transfer element according to claim 231, wherein the heat transfer element is the heat-dissipating element of a bulk cement cooler.

235. A heat transfer element for use in heat exchange in agriculture & fishery systems which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

236. A heat transfer element according to claim 235, wherein the heat transfer element is the heat exchange element of a heat circulation system.

237. A heat transfer element according to claim 235, wherein the heat transfer element is the heat exchange element of a heat transfer apparatus for keeping the room temperature constant.

238. A heat transfer element according to claim 235, wherein the heat transfer element is the heat exchange element of a geothermal collection system.

239. A heat transfer element according to claim 235, wherein the heat transfer element is the heat exchange element of agricultural plastic canopies.

240. A heat transfer element for use in heat exchange in medical treatment apparatus which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

241. A heat transfer element according to claim 240, wherein the heat transfer element is the heating or heat-dissipating element of an acupuncture instrument.

242. A heat transfer element for use in heat exchange in electric mechanical equipments which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

243. A heat transfer element according to claim 242, wherein the heat transfer element is the heat exchange element of a target furnace.

244. A heat transfer element according to claim 242, wherein the heat transfer element is the heat exchange element of an industrial exhaust recycling apparatus.

245. A heat transfer element according to claim 242, wherein the heat transfer element is the heat exchange element of a vibrating dust removing heat exchanger.

246. A heat transfer element for use in heat exchange in a thermostatic equipment which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

247. A heat transfer element according to claim 246, wherein the heat transfer element is the heat exchange element of an artificial crystal cultivation thermostatic box.

248. A heat transfer element according to claim 246, wherein the heat transfer element is the heat exchange element of a ventilation system.

249. A heat transfer element according to claim 246, wherein the heat transfer element is the heat exchange element of an air cleaner.

250. A heat transfer element according to claim 246, wherein the heat transfer element is the heat exchange element of an indoor air exchanger.

251. A heat transfer element according to claim 246, wherein the heat transfer element is the heat exchange element of an air-conditioning system.

252. A heat transfer element according to claim 246, wherein the heat transfer element is the heat exchange element of the ventilator of an air-conditioning system.

253. A heat transfer element according to claim 246, wherein the heat transfer element is the heat exchange element of a thermostatic system.

254. A heat transfer element according to claim 246, wherein the heat transfer element is the heat exchange element of a thermostatic controller of a fermentation container.

255. A heat transfer element according to claim 246, wherein the heat transfer element is the heating element of thermostatic equipment.

256. A heat transfer element according to claim 246, wherein the heat transfer element is the heating element of a thermostatic device for a biochemical reaction.

257. A heat transfer element according to claim 246, wherein the heat transfer element is the heating element of a geothermal collection system.

258. A heat transfer element according to claim 246, wherein the heat transfer element is the heating element of an urban heating system.

259. A heat transfer element according to claim 246, wherein the heat transfer element is the heating element of a pavement snow-melting system.

260. A heat transfer element according to claim 246, wherein the heat transfer element is the heating element of a thermostatic apparatus.

261. A heat transfer element according to claim 246, wherein the heat transfer element is the heating element of a quartz formation thermostatic apparatus.

262. A heat transfer element according to claim 246, wherein the heat transfer element is the heat exchange element of a thermostatic apparatus.

263. A heat transfer element according to claim 246, wherein the heat transfer element is the heat exchange element of a satellite thermostatic apparatus.

264. A heat transfer element according to claim 246, wherein the heat transfer element is the heat exchange element of a thermostatic apparatus.

265. A heat transfer element according to claim 246, wherein the heat transfer element is the heat exchange element of an air conditioner.

266. A heat transfer element according to claim 246, wherein the heat transfer element is the heat exchange element of an integrated power-saving air conditioner.

267. A heat transfer element for use in heat exchange in chemical engineering equipments which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

268. A heat transfer element according to claim 267, wherein the heat transfer element is the heat exchange element of a thermostatic apparatus for petroleum chemical equipments.

269. A heat transfer element according to claim 267, wherein the heat transfer element is the heat exchange element of a thermostatic cracking furnace.

270. A heat transfer element system for use in heating in agriculture and fishery cultivation systems which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

271. A heat transfer element system according to claim 270, wherein the system comprises the heat transfer element for heating of a plant heating system.

272. A heat transfer element system according to claim 270, wherein the system comprises the heating element of the solar energy water heater in a plant heating system.

273. A heat transfer element system according to claim 270, wherein the system comprises the heating element of the geothermal water heater in a plants heating system.

274. A heat transfer element system according to claim 270, wherein the system comprises the heat-dissipating element of a plants heating system.

275. A heat transfer element system according to claim 270, wherein the system comprises the heat-dissipating element of the air radiator in a plants heating system.

276. A heat transfer element system according to claim 270, wherein the system comprises the heat transfer element for heating of a fishery cultivation heating system.

277. A heat transfer element system according to claim 276, wherein the system comprises the heating element of the solar energy water heater in a fishery cultivation heating system.

278. A heat transfer element system according to claim 276, wherein the system comprises the heating element of the geothermal water heater in a fishery cultivation heating system.

279. A heat transfer element system according to claim 276, wherein the system comprises the heating element of the pond heater in a fishery cultivation heating system.

280. A heat transfer element system for use in heat exchange in electronic or electric equipments which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

281. A heat transfer element system according to claim 280, wherein the system comprises the heat exchange element of a dehydrating apparatus.

282. A heat transfer element system for use in heat exchange in daily necessities which is characterized in that it comprises a high heat transfer medium,wherein the high heat transfer medium is formed by dissolving the following compounds in water to produce a mixture, and drying the resulting mixture to produce said heat transfer medium product with said compounds in the following weight percentages:

(1) Cobaltic Oxide (Co_2O_3), 0.5-1.0 %;

(2) Boron Oxide (B_2O_3), 1.0-2.0 %;

(3) Calcium Dichromate ($CaCr_2O_7$), 1.0-2.0 %;

(4) Magnesium Dichromate ($MgCr_2O_7 \cdot 6H_2O$), 10.0-20.0 %;

(5) Potassium Dichromate ($K_2Cr_2O_7$), 40.0-80.0 %;

(6) Sodium Dichromate ($Na_2Cr_2O_7$), 10.0-20.0 %;

(7) Beryllium Oxide (BeO), 0.05-0.10 %;

(8) Titanium Diboride (TiB_2), 0.5-1.0 %;

(9) Potassium Peroxide (K_2O_2), 0.05-0.10 %;

(10) A selected metal or Ammonium Dichromate (MCr_2O_7), 5.0-10.0 %; where "M" is selected from the group consisting of potassium, sodium, silver, and ammonium;

(11) Strontium Chromate ($SrCrO_4$), 0.5-1.0 %; and

(12) Silver Dichromate ($Ag_2Cr_2O_7$), 0.5-1.0 %.

283. A heat transfer element system according to claim 282, wherein the system is the heat exchange element of a geothermal energy refrigerating system.